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(54) SOUND-INSULATING LAMINATED GLASS

(57)Abstract:

PURPOSE: To prevent the lowering of the sound-insulating performance caused by coincidence effect by sandwiching an intermediate film composed mainly of a specific PVC/polyurethane composite material between glass plates.

CONSTITUTION: An intermediate film composed of a PVC/polyurethane composite material and having a glass transition temperature of $\leq 5^{\circ}\text{C}$, a tensile strength of $\geq 20\text{kg/cm}^2$ and a thickness of 0.1-1.5mm is produced by adding a polyol compound (e.g. polyester polyol) and, as necessary, a plasticizer, a heat-stabilizer, an ultraviolet absorber, etc., to molten PVC, reacting the components with each other and forming in the form of a sheet. The intermediate film is sandwiched between a pair of glass plates having a thickness of 1.9-10mm.

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